

ABSTRACT OF THE DISCLOSURE

Planar substrates are printed, cut, and folded to form three-dimensional cartons. Given graphics intended to appear on a carton surface or panel, printed graphics are laid-out and automatically positioned and manipulated using structural information associated with the cartons. Preferably a single computer-generated graphics file is created for use in printing the various panels and flaps. The graphics design can be overlaid on a computer image of the substrate, and graphic portions can be rotated, scaled, and aligned to properly fit printing areas on what will be panels and flaps (after cutting occurs). A computer generated three-dimensional image of the carton showing graphics printed on the panels and flaps can be manipulated by a graphics artist to confirm accuracy of the graphic file data before actual printing occurs.